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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/973,712	10/11/2001	Andreas Bommarius	214382US0X	5772
22850 75	590 04/22/2003			
•	VAK, MCCLELLAN	EXAMINER		
1940 DUKE STREET ALEXANDRIA, VA 22314			PATTERSON, CHARLES L JR	
			ART UNIT	PAPER NUMBER
		;	1652 DATE MAILED: 04/22/2003	d

Please find below and/or attached an Office communication concerning this application or proceeding.

· ,	Application No.)pplicant(s)				
	09/973,712	BOMMARIUS ET AL.				
Office Action Summary	Examiner	Art Unit				
	Charles L. Patterson, Jr.	1652				
Th MAILING DATE of this communication a Peri d for Reply	appears on the cover sheet with	the correspondence address				
A SHORTENED STATUTORY PERIOD FOR REI THE MAILING DATE OF THIS COMMUNICATIOI - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a - If NO period for reply is specified above, the maximum statutory peri - Failure to reply within the set or extended period for reply will, by sta - Any reply received by the Office later than three months after the may earmed patent term adjustment. See 37 CFR 1.704(b). Status	N. 1.136(a). In no event, however, may a reprepty within the statutory minimum of thirty iod will apply and will expire SIX (6) MONTI tute, cause the application to become ABA	ly be timely filed (30) days will be considered timely. IS from the mailing date of this communication. NDONED (35 U.S.C. § 133).				
1) Responsive to communication(s) filed on 1	12/28/01, 7/15/02 and 4/9/03.					
2a) This action is FINAL. 2b) ⊠	This action is non-final.					
 Since this application is in condition for allocation closed in accordance with the practice und Disposition of Claims 						
4)⊠ Claim(s) <u>1-19</u> is/are pending in the applicat	tion.	· .				
4a) Of the above claim(s) is/are withd	frawn from consideration.					
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-19</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and	d/or election requirement.	·				
Application Papers						
9)☐ The specification is objected to by the Exam	iner.					
10) ☐ The drawing(s) filed on is/are: a) ☐ ac	ccepted or b) objected to by the	e Examiner.				
Applicant may not request that any objection to		• • •				
11)☐ The proposed drawing correction filed on	is: a) approved b) dis	approved by the Examiner.				
If approved, corrected drawings are required in	reply to this Office action.					
12) ☐ The oath or declaration is objected to by the	Examiner.					
Priority under 35 U.S.C. §§ 119 and 120		*				
13) Acknowledgment is made of a claim for fore	eign priority under 35 U.S.C. §	119(a)-(d) or (f).				
a)⊠ All b)□ Some * c)□ None of:						
1. Certified copies of the priority docume	ents have been received.					
2. Certified copies of the priority docume	ents have been received in Ap	plication No				
3. Copies of the certified copies of the p application from the International * See the attached detailed Office action for a l	Bureau (PCT Rule 17.2(a)).	_				
14)☐ Acknowledgment is made of a claim for dome	estic priority under 35 U.S.C. §	119(e) (to a provisional application).				
a) The translation of the foreign language						
Attachment(s)		,				
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s	5) Notice of Int	ummary (PTO-413) Paper No(s) formal Patent Application (PTO-152)				

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Claims 1, 5, 6, 8, 12-14 and 18-19 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

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Claim 1, 8 and 14 are incorrect in the recitation of "Amycolatopsis orientalis" which should be "Amycolatopsis orientalis".

Claims 5, 6, 12, 13, 18 and 19 are indefinite in the recitation of "amino acid". This term has no antecedent basis in the base claim. Changing this recitation to "N-carbamoyl amino acid" as in claims 4, 11 and 17 would overcome this rejection, but the phrase at the end of each claim, "natural amino acid" and unnatural amino acid", should correspond.

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 1-2, 4-9, 11-15 and 17-19 are rejected under 35 U.S.C. 112, first paragraph, because the specification, while being enabling for the racemase of SEQ ID NO:2, does not reasonably provide enablement for the breadth of the instant claims. The specification does not enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention commensurate in scope with these claims.

The specification teaches a particular N-acetyl amino acid racemase having SEQ ID NO:2, it does not teach any and all such enzymes from Amycolatopsis orientalis subspecies lurida, as in the instant claims.

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प्रकारका प्रस्ति प्राप्ति । अस्य वास्त्र अस्त्रिकृत न कृत्या, प्रमुख्य नुसंस्थित केर्रा स्वर्यकर्ता, स्वर्य,

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The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.
- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-19 are rejected under 35 U.S.C. 102(a) as being anticipated by Verseck, et al. (AE). The instant reference apparently teaches all of the instant claims. It is noted that the reference is by a different "inventive entity" and that a translation of the foreign priority document is not of record and therefore may not be used to overcome this rejection.

Claims 1-2, 4-9, 11-15 and 17-19 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over either of Tokuyama, et al. (B or AC). The instant reference teach an N-acetyl amino acid racemase for Amycolatopsis sp. TS-1. Although this enzyme is discussed in the specification and it is apparently not that of SEQ ID NO:2, there is no convincing proof in the specification that this enzyme does not meet the requirements of the instant claims.

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Claims 1-19 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Takahashi, et al.

(A). The instant reference teaches the use of an N-acylamino acid racemase to racemize N-acyl-\alpha-amino acids. The description of the N-acyl-\alpha-amino acids in column 2, lines 51-61 falls within the limits of "N-carbamoyl amino acid" in the instant specification. In Table 1 in column 4 it is taught that an N-acyl amino acid racemase can be obtained from Amycolatopsis orientalis. It is maintained the Amycolatopsis orientalis is that of the instant claims absent convincing proof to the contrary. The patent office does not have the facilities to determine if and enzyme obtained from a particular species is that of the instant claims and once a prima facie case is made it falls upon the applicants to prove that it is not. Everything else in the instant claims is taught by the reference or would have been obvious given the general knowledge of one of ordinary skill in the art.

त्या पुरुषक्षेत्र के अन्य किन्तु विवेद सेनेक्सकृत कर असीत् अस्य अन्य अन्य क्रिकेट के प्राप्त के ताम है असे क्रिकेट सिन

Claims 1-19 are rejected under 35 U.S.C. 102(a) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Drauz (AD). The instant reference apparently teaches the enzyme of the instant claims and all of the limitations of the instant claims that are not in the reference would have been obvious to one of ordinary skill in the art, absent convincing proof to the contrary. Once again, it is noted that the reference is by a different "inventive entity" and that a translation of the foreign priority document is not of record and therefore may not be used to overcome this rejection.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Charles L. Patterson, Jr., PhD, whose

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telephone number is 703-308-1834. The examiner can normally be reached on Monday - Friday, 7:30-4:00.

·출기대대 (Haranga)

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ponnathapura Achutamurthy can be reached on 703-308-3804. The fax phone number is 703-308-4242.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0196.

Charles L. Patterson, Jr. Primary Examiner

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Patterson April 18, 2003